

WEB FRAMES.				Inches in Ship.		Inches per Rule.		FORGINGS or CASTINGS.		Inches in Ship.		Inches per Rule.	
WEB-FRAMES, In Fore Body, No. and spacing								KEEL, Bar, depth and thickness		Plate keel			
" " " " brdth. & thickness								STEM, moulding and thickness		9" x 3" 9 x 3"			
" " " " No. of Side Stringers								STERN-POST for Rudder do. do.		9 1/2 x 4 1/2 9 1/2 x 4 1/2			
WEB-FRAMES, In E. & B. Space, No. & spacing								" " " " for Propeller		Twelve Ser.			
" " " " brdth. & thickness								RUDDER-A x D* Table 22. Speed		11 1/2 Kts.		172.25 x 38 = 654.75	
" " " " No. of Side Stringers								" Main-Piece, diameter at head		11 1/2 ✓		11 1/2	
" " " " Size of Face Angles to Web-Frames								" " " " at heel		8 1/2 ✓		8 1/2	
BRACKET PLATES to Stringers between													
Web Frames, depth and thickness													

BULKHEADS.	Number.	Vessel.	Per Rule.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up, state deck.
					Horizontal.		Vertical.			
					Size.	Spacing.	Size.	Spacing.		
W.T. BULKHEADS	A.P. 10			38-36						
Deep tank	31			12-31	29	26 x 10				
"	13			10-31						
"	55			12-36						
"	63			11-36						
" COLLISION "	72			16-36						
PARTITION "				16-30						
LONGITUDINAL										

Are the outside Plates doubled two spaces of Frames in length? **No**

Are the **none** Watertight Doors in efficient working order? **yes**

RUDDER, how constructed **Forged steel** **movable arms**

Thickness of Plates or Single Plate **1.12 ✓**

Can the Rudder be unshipped afloat? **yes**

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.?

Yasata Imperial Steel Wks.
Carnegie Steel Co.
Jones & Laughlin
Phoenix Iron Co.
Sumitomo Steel Wks (for castings)

Has the Steel been tested as required by the Rules? **yes**

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or jogged?				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Inches.	Thickness.			Diam.	Spacing or to cr.		Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.
FLAT PLATE KEEL (1 Bar Keel, state Riveting)	18	1.02	1.1	1.1	18	1.02	Double	6 1/2	1 1/2	1 1/2	1 1/2	2nd. Treble	1 1/2	1 1/2			16	1/2	16
GARBOARD OF A Strake		.64	.18	.18		.64		5 1/2	7/8	3 1/2	3 1/2	Treble	7/8	3 1/2			9	1/2	9
State actual thickness in way of Double Bottom.																			
B "																			
C "																			
D "																			
E "																			
F "																			
G "			.16	.16															
H "																			
J "																			
K "																			
L "																			
M "																			
N "		.62				.62		6	1	1	1	2nd. Treble	1	3 1/2			12		
O "																			
P "																			
Q "																			
R "																			
S "																			
T "																			
U "																			
V "																			
W "																			

Awning or Shelter Deck (Butts, III riveted for **whole** length **amidship**.)

Stringer Plate (Straps single **double** overlapped for **whole** length **amidship**.)

Upper Deck (Butts, III riveted for **whole** length **amidship**.)

Stringer Plate (Straps single **double** overlapped for **whole** length **amidship**.)

Butts of Side Stringers ✓ riveted.

Tie Plates ✓ riveted.

Inner Bottom Plating, riveting of Edges **mid. doub.** **Gen. III - I**

Centre Girder Butts, **Treble** riveted. **Keelson Butts, ✓ riveted.**

Frames, riveted through Plates with **7/8"** in. Rivets, about **6, 5 + 1** apart.

Rivets, state whether Iron or Steel. **Steel ✓**

FRAMES extend in one length from **Keel** to **along dk in A.P.** State if ordinary or jogged

REVERSED FRAMES on floors and frames extend from **longitudinal framing** State if ordinary or jogged

MASTS, SPARS, &c.

	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore	Steel 61' 6"	31" x 50	31" x 50		27 x 15	Two	✓		Single	Treble
	Main	do 62' 6"	27" x 45	27" x 45		22 x 10					
	Mizen										
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds		3-5 1/2" S.W.									
Sails.		Suit of									

Stays **3-5" S.W.** **Main 4" S.W.**

Sails, and the following spare sails **Proven stay for 2-3" S.W.** **apt 2-6" S.W.**

Write "Awning or Shelter Deck" opposite its corresponding letter.

Form No. 1B.

40751

EQUIPMENT NO.			LETTER			ANCHORS.										
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQ. BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.			
75431	1st Bower	74	1	26	-	-	-	56	0	0	0	69	-	-	Hall's anchor	N. Hingley + S. Meth: 29-4-1916: H.G.
75434	2nd "	74	1	7	-	-	-	56	0	0	0	69	-	-	Do.	Do. Meth: 29-4-1916: H.G.
75430	3rd "	74	0	10	-	-	-	56	0	0	0	69	-	-	Do.	Do. Meth: 29-4-1916: H.G.
	Collective weight	222	3	15								207	-	-		
75532	Stream	21	0	0	5	1	24	21	12	2	0	20	2	0	Rodgers' Anchor	Do. Meth: 5-5-1916: H.G.
75529	Kedge	9	0	18	2	1	21	11	6	3	14	9	0	0	Do.	Do. Meth: 5-5-1916: H.G.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

	1st Bower	2nd "	3rd "
Weight	74 · 1 · 26	74 · 1 · 7	74 · 0 · 10
H.G.	H.G.	H.G.	H.G.
Certificate	75431	75434	75430
Date	29-4-1916	29-4-1916	29-4-1916

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and Size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 31.				
	Length.	Diam.		Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.			
57987	150	2 3/8	142 1/2	422 · 0 · 24	422 · 0 · 14	28	2 3/8	Stud Link	N. Hingley + S. Meth	28-4-1916: H.G.	TOWLINE	130	5 1/2	86 · 2	130	5 1/2			
57999	150	2 3/8	101 1/2	422 · 1 · 4	422 · 0 · 14	28	2 3/8	Do.	Do.	28-4-1916: H.G.	HAWSERS & WARPS	2-100	2 3/4	22	2-100	8			
												2-100	2 3/4	22	2-100	8			

28' 6" x 8' 6" x 3' 6"
5 1/2" Downton + 3" h.p. to F.P.
by the Builders

Steering Gear, Steam By Builders Steering Gear, Hand By Builders
Diameter of Barrel 5 1/2" + 3" State whether they are in efficient working order yes
+ Capstan drums

Daylights.—How constructed? Plates + Angles What arrangements for deadlights in bad weather? Glass in steel frames
Penings.—How constructed? Plates + Angles How are lids secured? 3" hatches Height above deck? 2' 6"
Ports, and numbers and dimensions of Freeing Ports, &c. 9 Scup. a side Open rails except amid. 1 F.P. 2' 6" x 1' 3"
s, thickness and material 3" Pine Cargo Battens, thickness and material 2" pine in holds + iron dks.
ys.—How formed? Plates + Angles Hatches, if strong and efficient? yes
atch (Forward) 23' 0" x 18' 0" No. 2 Hatch 36' 0" x 18' 0" No. 3 Hatch 11' 0" x 18' 0" No. 4 Hatch 11' 0" x 18' 0"
Plates, Shifting Beams and Fore and Afters to each Hatch " 5 " 11' 0" x 18' 0" " 6 " 36' 0" x 18' 0"
a. Mod + 6; 5 webs No. 1; 1 web No. 3; 4 + 5; 1 web No. of Breasthooks at each long! No. of Crutches 30' 0" x 18' 0"
ight above deck and description Open rails, but amid 3' 6" b'wks. Main Rail and Stays, material and size 6 x 3 x 3/8 Deep floors.
is a correct description. Amisship

Signature (here only) G. Yemuda Surveyor's Signature A. L. Jones
Surveyor to Lloyd's Register of Shipping.

ence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)
3/8/15 Mq/4/15 (with 8/15 to J. W. Ishward M 5/8/15

hip. Are the butts of plating planed or otherwise fitted? Yes Planed

and work properly closed? Yes

ers between the frames and plates solid single pieces? Longitudinal form. Do the holes for riveting plate to frames, butt straps, or plate
e, &c., conform well to each other? Yes Are the rivet holes well and sufficiently countersunk in the plate and punched
he faying surfaces? Yes Do any rivets break into or through the seams or butts of the plating? Very few

atts of Plating, Stringers, &c., properly shifted and strapped? Yes

he upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Satisfactory

he gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests do

Remarks (State quality of workmanship, &c.) This vessel has been built under Special Survey
conformance with the Rules + approved plans. The materials + workmanship
good.
Photoprints of midship section + of Profile + Decks are forwarded.

Sister vessels reported are as follows: "Kips Maru" (Kobe Rpt No. 2140) 45 No 878
"Altai Maru" (" " - 2294) " - 879
"Andes Maru" (" " - 2359) " - 880
"Anus Maru" (" " - 2544) " - 881

The Surveyor should state the Number of Report and Name of any Sister Vessel.
Plans to be forwarded with F.E. Report showing vessel as built.

amount of Entry Fee	Special Survey Fee	Travelling Expenses, if any	Fees applied for	Certificate to be sent to	Date of issue
50	3840	30	26 June 1919 Received by me, 7 th July 1919	Kobe	9/9/19

te whether the Vessel has been built under Special Survey Yes.

m of opinion this Vessel should be Classed + 100 A1. Along br n
th, or without Freeboard, as condition of Class With freeboard

ommittee's Minute
haracter assigned

TUESDAY 10 SEP 1919
100 A1
Anand R. W. fhd.
Lloyd's & C. P.
Kobe.

A. L. Jones Y. Jo. assist.
Surveyor to Lloyd's Register of Shipping.

Particulars of Longitudinal Framing.

Framing	Amidships In ship	Ends in ship	Amidships As appr?	Ends As appr?	Rivets Dia. & Spce	Spacing on each Side of longitudinal & end heads	Rivets in Brackets heads, number, Dia.
Truss from Uppermost Continuous Deck No. 1	B. A. 8 x 3 1/2 x 3 1/2	B. A. 8 x 3 1/2 x 3 1/2	B. A. 4 x 3 1/2 x 10	B. A. 4 x 3 1/2 x 36	7/8 5 1/2	5 1/2	5
" 2	" " "	" " "	" " "	" " "	" "	"	"
" 3	" " "	" " "	" " "	" " "	" "	"	"
" 4	8 x 3 1/2 x 10	" " "	8 x 3 1/2 x 10	4 1/2 x 3 1/2 x 10	" "	"	6
" 5	8 x 3 1/2 x 11	8 x 3 1/2 x 10	8 x 3 1/2 x 11	8 x 3 1/2 x 10	" "	"	"
" 6	9 x 10 x 3 1/2	9 x 10 x 3 1/2	9 1/2 x 3 1/2 x 16	9 1/2 x 3 1/2 x 12	" "	1 3/8	4
" 7	9 x 15 x 3 1/2	9 x 10 x 3 1/2	10 x 3 1/2 x 18	10 x 3 1/2 x 11	" "	"	8
" 8	10 x 15 x 3 1/2	10 x 15 x 3 1/2	11 x 3 1/2 x 11	11 x 3 1/2 x 11	" "	3 1/2	"
" 9	10 x 50 x 3 1/2	10 x 45 x 3 1/2	11 x 3 1/2 x 18	11 x 3 1/2 x 11	" "	"	"
" 10	12 x 3 1/2 x 62 3/4	Same as amid	11 x 3 1/2 x 56	11 x 3 1/2 x 52	" 1 3/8	"	9
" 11	12 x 3 1/2 x 62 3/4	" " "	11 x 3 1/2 x 62	11 x 3 1/2 x 58	" "	"	"
" 12	12 x 50 x 3 1/2	12 x 3 1/2 x 62 3/4	11 x 3 1/2 x 68	11 x 3 1/2 x 61	" "	"	"
" 13	8 x 3 1/2 x 10	8 x 3 1/2 x 10	8 x 3 1/2 x 10	8 x 3 1/2 x 10	" 5 1/2	"	6
" 14	" " "	" " "	" " "	" " "	" "	"	"
A. B. Tank top	8 x 3 1/2 x 12	8 x 3 1/2 x 12	7 1/2 x 3 x 12	7 1/2 x 3 x 12	7/8 5 1/2	1 3/8	
" bot	7 x 15 x 3 1/2	Same as amid	8 1/2 x 3 1/2 x 12	8 1/2 x 3 1/2 x 12	" "	3 1/2	
Spacing amid Ends	30	30	30	30			
Transverses					Riv. in Lugs to Shell Dia. & Spce		
Depth + thickness	15 x 38		15 x 38				
In Awning truss dks Face angles	6 x 3 1/2 x 11		6 x 3 1/2 x 11				
Lugs to shell	3 1/2 x 3 1/2 x 38		3 1/2 x 3 1/2 x 38		7/8 1 1/2		
Depth + thickness	18 x 10		18 x 10				
In Upper truss dks Face angles	6 x 3 1/2 x 18		6 x 3 1/2 x 18				
Lugs to shell	3 1/2 x 3 1/2 x 10		3 1/2 x 3 1/2 x 10		7/8 1 1/2		
Depth + thickness	28 x 50		28 x 50				
In Hold. Face angles	10 x 3 1/2 x 66		10 x 3 1/2 x 66				
Lugs to shell	6 x 6 x 16		6 x 6 x 16		7/8 1 1/2		
Brackets	11		11				
Spacing of trans. frms.	12 ft + as per profile		12 ft + as per profile				
Among dk.	6 x 35 x 3 1/2	as amid.	5 1/2 x 3 x 10	6 1/2 x 3 x 36	Spacing 33		
Longitudinal Up. dk.	8 x 3 1/2 x 10	7 x 3 1/2 x 10	7 1/2 x 3 x 10	7 x 3 x 10	36	Transverse	In ship Plate angles 11 x 38 52 3 1/2 52 11 x 38 64
Beams 2nd dk	8 x 3 1/2 x 11	8 x 3 1/2 x 10	8 x 3 x 11	8 x 3 x 10	36	Beams	12 x 38 18 3 1/2 52 12 x 38 18 3 1/2 13 x 10 10 3 1/2 66 13 x 10 10 3 1/2

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop / ft., R.Q.D. / ft., Bridge / ft., Forecastle / ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given
should appear in the Register Book) 2 dks (3rd) + awning deck (5th).
Official No. 25922; Signal Letters R Q L V State if Machinery is fitted aft No.
How are the surfaces preserved from oxidation? Inside Paint + Cement Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	129.7	366.6	Fore peak tank,	19.25	84.4
Double bottom, under Engines and Boilers,	52.2	117.0	After peak tank,	34.00	96.9
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	188.5	411.0	Other tanks, if fitted,		
Total capacity of double bottom		1194.6	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules. yes

Order for Special Survey No.

Date

No. 882 in builder's yard.

DATES OF SURVEYS
held while building

Nov. 18 (Kules), 26. 29. Dec. 3. 5. 7. 8. 21. 24. 1918. Jan. 7. 9. 25. 30.
Feb. 6. 15. 24. Mar. 4. 5. 12. 25. Apr. 2. 11. 16. 23 May 2. 10. 16. 28
June 4. 9. 16. 23 1919
Visits Nov. 18 to Mar 5 are Mr. Aitken's, who left
for home on Mar 13. 1919

Total No. of Visits 32

Surveyor's Signature

A. J. Jones

Y. J. assist

Lloyd's Register
Foundation